

Studying Software Vulnerabilities

Dr. Robin A. Gandhi, Dr. Harvey Siy, and Yan Wu. There have been several research efforts to enumerate and categorize software weaknesses that lead to vulnerabilities. To consolidate these efforts, the Common Weakness Enumeration (CWE) is a community-developed dictionary of software weakness types and their relationships. Yet, using the CWE to study and prevent vulnerabilities in specific software projects is difficult. This article presents a novel approach for using the CWE to organize and integrate the vulnerability information recorded in large project repositories.

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1. <https://buildsecurityin.us-cert.gov/adm-bsi/1185-BSI.html>